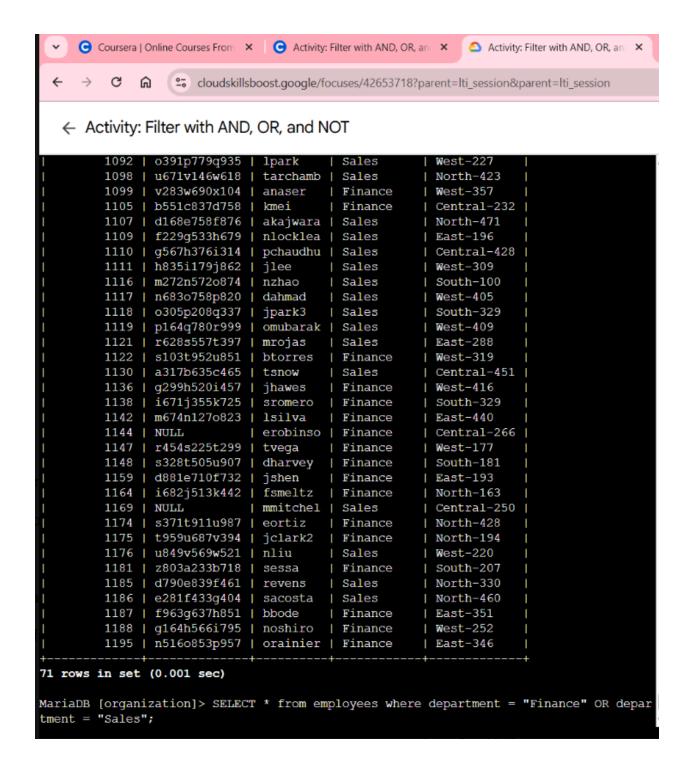
# Apply filters to SQL queries

# Project description

This project demonstrates how to use SQL queries with WHERE, AND, OR, and NOT filters to retrieve specific login and employee records. The goal was to locate login issues, audit departments, and support data filtering skills for cybersecurity and IT tasks.



#### Retrieve after hours failed login attempts

SELECT \*
FROM log\_in\_attempts
WHERE success = FALSE
AND (login time < '08:00:00' OR login time > '17:00:00');

#### Retrieve login attempts on specific dates

SELECT \*
FROM log\_in\_attempts
WHERE login\_date = '2023-07-01'
OR login\_date = '2023-07-05';

#### Retrieve login attempts outside of Mexico

SELECT \*
FROM log\_in\_attempts
WHERE country != 'Mexico';

## Retrieve employees in Marketing

SELECT \*
FROM employees
WHERE department = 'Marketing';

#### Retrieve employees in Finance or Sales

SELECT \*
FROM employees
WHERE department = 'Finance'
OR department = 'Sales';

### Retrieve all employees not in IT

SELECT \*
FROM employees
WHERE department != 'Information Technology';

## Summary

In this project, I practiced using SQL filtering commands such as WHERE, AND, OR, and NOT to extract specific employee and login data. These queries allowed me to retrieve failed login attempts after work hours, filter login activities by date or country, and isolate employees by department. Learning how to apply these SQL filters gave me hands-on experience with data queries commonly used in cybersecurity and IT operations to monitor access and enforce data rules.